

Material Safety Data Sheet

MSDS ID # AZ-10-D

F006 Recyclable Material (Filter Cake)

Recycler:

World Resources Company

8113 West Sherman Street

Tolleson, AZ 85353

Tel: (602) 233 9166 Fax: (623) 936 9164

January 2007 DLS

Call CHEMTREC only in the event of
emergencies during shipping that
involve a spill, leak, fire or accident
(all calls are recorded)

For Emergencies During Shipping in
the US or Canada, Day or Night,

Call: **CHEMTREC 800-424-9300**

Use CHEMTREC Company Code "WORR"

From other countries call: 703-527-3887

Section 1

EPA Waste Classification: F006**Generic Name:** Electroplating/Metal-Finishing Wastewater Treatment Sludge**Chemical Family:** Metallic (Hydroxide) Precipitates**Synonym:** Non-ferrous Metal Hydroxide Filter Cake**DOT Shipping Name:** RQ, Hazardous waste solid, n.o.s. (F006)**DOT Hazard Class:** 9**DOT Packing Group:** III**DOT Identification Number:** NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

Material Identification

Section 2

Ingredient:	CAS Number:	Content (%):	OSHA PEL (8hr TWA):	Toxicology (rat, oral):
Copper Hydroxide	20427-59-2	0 - 30	1.0 mg(Cu)/m ³ (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0 - 15	1.0 mg(Ni)/m ³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0 - 15	5.0 mg/m ³ (Dust)	LD-50 7,340 mg/kg
Diatomite	61790-53-2	0 - 10	5.0 mg/m ³ (Dust)	LD-50 Not Determined

Hazardous Ingredients

Section 3

Description: Solid, Clay-like, Gray/Green
to Brown, Moisture ~ 30 - 80%**Specific Gravity:** 2.5 to 3.5**Solubility:** Insoluble in Water**Density:** 50 - 90 lbs/ft³**Incompatible Reactivity:** None Known**Vapor Pressure:** Insignificant**Stability:** Avoid Contact with Acids

Physical and Reactivity Data

Boiling Point: Above 2,600°C**Melting Point:** Above 1,800°C**pH:** 7.0 to 10.0 **Odor:** Nil**Polymerization:** Will Not Occur

Section 4

Flashpoint: Nonflammable**Special Firefighting Procedures:** None**Decomposition (Due to Fire or Explosion):** None**Oxidation:** Non-oxidizing**Explosive:** Non-explosiveNFPA
Fire Diamond

Fire and Explosion Data

Section 5

Listed Carcinogen Components: Nickel**Toxicology:**

See Sec. 2

Route of Entry: Inhalation, Ingestion

Toxicity

Section 6

Health Effects and First Aid

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.**Ingestion:** Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.**Eyes:** Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.**Skin:** Dust may irritate skin with prolonged contact. Wash with soap and water.**Comments:** Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body systems - blood, digestive, respiratory, liver, kidneys and skin.

Section 7

Precautions for Safe Handling

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.**Storage:** Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain.**Spills:** Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to World Resources Company at the above address.

Section 8

Control Measures


Respiratory Protection: NIOSH-MSHA approved respirators as required.**Eye Protection:** Safety glasses recommended.**Other Protective Equipment:** Coveralls are recommended, but not required.**Hand Protection:** Gloves recommended.

Section 9

Generator's Verification

This MSDS describes the material listed in the attached Manifest #:

Company Name: Alaskan Copper Works**Company Address:** 3200 Sixth Avenue South, Seattle, WA 98124**Telephone:** 206-382-8379**Date:** 4-12-12**Signature:**

	WORLD RESOURCES COMPANY	LDRN LAND DISPOSAL RESTRICTION NOTICE
	ARIZONA RECYCLING FACILITY	
	<i>In partnership with the environment</i>	

A copy of this Notice must be retained by the generator for at least three (3) years pursuant to U.S. EPA regulations, 40 CFR §268.7(a)(8). Moreover, the generator should check the hazardous-waste regulations of its own state, because if there is a state analogue to the federal regulation, it may require longer retention time, such as five (5) years. It should also be noted that the federal regulation (and, typically, a state analogue as well) requires the retention period to be extended in specified cases.

TO: World Resources Company
8113 West Sherman Street
Tolleson, AZ 85353

FROM: Alaskan Copper Works
(Company Name)
3200 Sixth Avenue South
(Address)
Seattle, WA 98124
(Phone)

Manifest Number: 002544964 JSK

Date of Shipment: 4-12-12

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR §268.7(a)(2) and is shown below:

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
F006	Non-wastewater	40 CFR §268.40


(Signature)

Genzie A. Thompson
(Printed Name)

Enviro. Asst.
(Title)

[illegible]

REQUESTED BY

DATE _____

APPROVED BY

DATE _____

☒ ✓ HERE FOR RETURN OF YELLOW COPY

PURPOSE OR USE

DELIVERY NEEDED BY

SHIP TO ADDRESS

SUGGESTED

VENDOR

423004 Rev. 7/96

TO BE FILLED IN BY PURCHASING DEPT.

P.O. NUMBER

VENDOR

CONTACT

DELIVERY
PROMISED

TELEPHONE
NO.

SHIP VIA

[illegible]

DATE _____

APPROVED BY

DATE _____

☒ ✓ HERE FOR RETURN OF YELLOW COPY

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PROMISED**

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